1st Ra Bill

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. - Date:

Division: Electrical (DASARAHALLY) Sub- Division:

Bill Received No.....Dated.....Cash Book Voucher No.....dated.....

Scheduled Docket Name of Work (as per sanctioned estimate); Providing and Fixing of Street light Fittings Timers Control Wires etc in Ward no 12 and 13 Village areas in Dasarahalli Assembly Constituency

Contractor and Full Address:M/s The Technical Maneger-2 (BBMP)KRIDL

Work Order No: : EE/(Elec)/Das/WO/000023/2017-18 Dated : 21-03-2018

Reference to Agreement Date ..... Job No:- 012-18-000053

Certified that the measurements were taken by me on 10/4/2018 and recorded on pages 2713 to 2727 of Measurement Book No 5128 and that the work is satisfactorily executed.

Contractor

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Officer in charge of work

JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Certified that the measurements were taken by me on 10/4/2018 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in columns 3 of Account II have been actually brought to Site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in the connection with item for finished work have been agreed upon. And normal agreement signed and executed by the contractor is recorded in the office.

Sub-division Officer

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

II Memorandum of Payment

Total value of work done or supplies as per account within	1st & Part Bill Amt 2684152
Deduct amount to be held in reserve being .....percent Rs.....	IT @ 53685
" Balance	LWC @ 26842
Deduct payment :	CBT-0.1% 2685
Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D.No.....	F&D SD 134200
Amount adjusted towards cash advance recovery of	TD 217412
Payments cost store or other material supplied.	Net 2466740
Now made recovery amount creditable to this/ other work	
Amount paid on this bill cheque/cash	
Balance being unpaid value of work done held in reserve	
6) Deduct cash advance made on the Office Cash Book Voucher No..... dated.....less adjustments	
7) Net amount due to or from contractor	
Unadjusted items	
8) Advance to contractor for materials brought to site (as detailed) within	

Value of Government materials supplied

Contractors Signature

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Audited and admitted for Rs. 2684152/- (in words Twenty six lakhs eighty four thousand one hundred fifty two only)

Received Rs.....

Passed by Cheque for Rs. 2466740/- (Rupees twenty four lakhs sixty six thousand seven hundred forty only)

by cash and adjustment of payment as per memorandum

Witnesses :

1:

2

By adjustment Rs. 217412/-

Signature of contractor

Dated

Paid by Cheque No. Dated

Cash Rs.

Accounts Superintendent

Exe. Engineer (Ele)

B.B.M.P. Dasarahalli Division

Initials of Officer making payment

(For use in the office)

EXECUTIVE ENGINEER-4
KRIDL, BBMP DIVISION
BENGALURU-560 010

Executive Engineer (Ele)

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Sl. No.	Description of item Name of Work : Providing and Fixing of Street light Fittings Timers Control Wires etc in Wards no 97 and 13 Village areas in Dasarahalli Assembly Constituency	
1	LED Street light Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K. IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with ____W System Power consumption. LED Efficiency>130lm/w at 1W & FixtureEfficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II LED Streetlight 65watts.	
2	LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs. 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K. IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools.LED Light fixture wtth ____W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI 75+. housing with supplier word mark / name shall be engraved / Embossing on the die cast housing / body part. . Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacturer. Suitable for A1/A2 Roads as per IS 1944 Part I & Part II 90 Watts	Nos
3	Supplying and Fixing of.....mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires. Using 32mm dia G.I.pipe	Nos
4	Wiring for lighting/power circuit using one of PVC insulated 1100v grade stranded Aluminium unsheathed wire single core/multi core cable in open or consealed system of wiring. a)4 sqmm.	Mtrs
5	Supplying and stringing of ACSR Conductor (6/2.59mm Al +1/2.59mm Steel).	Mtr
6	Supplying and Fixing .....including all Hardware's etc. complete as per the standard technical specification of BESCOM. A)1.1 KV Pin Insulator	Each
7	No. 8 Strain Insulator	Each
8	Supplying and Fixing ..... including all Hardware's etc. complete as per the standard technical specification of BESCOM. RCC Clamp	Each
9	Supply and fixing of .....cross arm including all Hardware's complete as per the standard technical specification of BESCOM. 2 Pin 45x45x5mm -510mm	Each
10	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps 25kA.	Each
11	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets200mmx200mmx98mm	Each
12	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint a)40X40X6mm	Per Mtr

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Previous Measurement		Present Measurement			Total Upto Date	
Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost
		83	18720.00	1553760	83	1553760.00
		25	31250.00	781250	25	781250.00
		65	893.00	58045	65	58045.00
		200	7.50	1500	200	1500.00
		500	30.00	15000	500	15000.00
		15	44.00	660	15	660.00
		10	14.00	140	10	140.00
		20	84.00	1680	20	1680.00
		20	306.00	6120	20	6120.00
		0	4044.00	0	0	0.00
		0	2178.00	0	0	0.00
		0	263.00	0	0	0.00

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13	Supplying of 1 1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255 1995 & confirming to GTP of GROUP-A 2 X 16 + 1 X 25 SQ.MM	
	Total Rs	
	Add KRIDL Charges 11%	
	Grand Total	

Certificate

Certify That the above Work Has been Carried out Satisfactorily.

JUNIOR ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

ASST. EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

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		0	92.00	0	0	0.00
				2418155.00		2418155.00
				265997.05		265997.05
				2684152.05		2684152.05

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